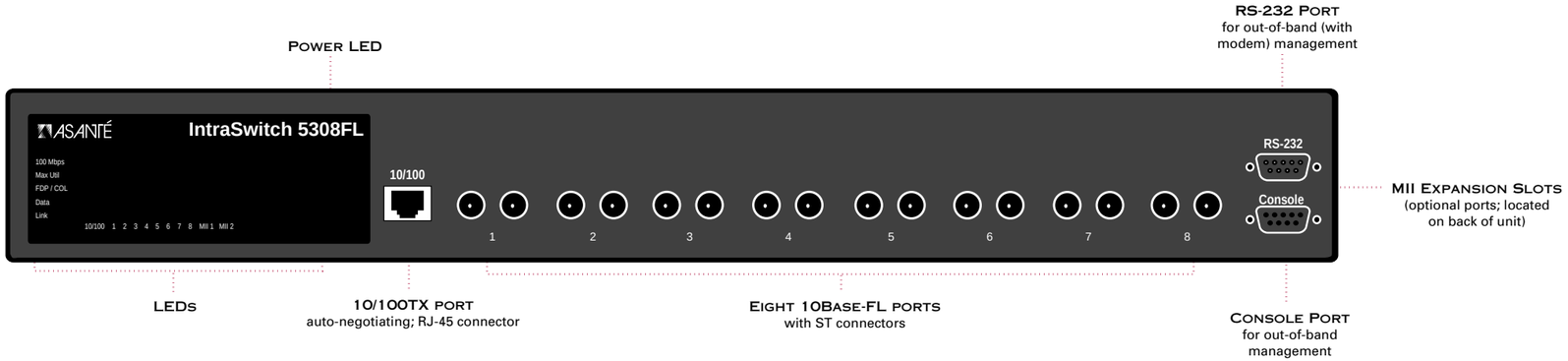
IntraSwitch™ 5308FL



Overview

The Asanté IntraSwitch 5308FL is an 8-port 10Base-FL Ethernet switch that comes with one 10/100 port and two MII (Media Independent Interface) expansion slots.

The MII expansion slots allows for the connection of 10/100Base-TX, 100Base-FX or 10Base-FL media access modules.

About This Guide

This guide provides instructions for mounting, installing, and connecting your IntraSwitch 5308FL to an Ethernet network. For information on managing the IntraSwitch 5308FL, refer to the **IntraSwitch 5308FL User's Manual** included in your package.

Package Contents

The IntraSwitch 5308FL is shipped with the following items:

- (1) IntraSwitch 5308FL Ethernet switch
- (1) Power cord
- (2) Rack-mounting brackets
- (12) Standard Phillips screws
- (1) Quick Installation Guide (this card)
- (1) User's Manual
- (1) Manual Addendum
- (1) Registration card

Additional materials required:

- Network cables — see step 4 "Connect to the Network," to determine the type of cables you will need to connect network devices to the IntraSwitch 5308FL
- Phillips screwdriver — for rack-mounting the IntraSwitch 5308FL.

Default Port Settings

The IntraSwitch 5308FL is shipped with the following default port configuration settings:

- 10Base-FL ports: half duplex
- 10/100TX port: auto-negotiation enabled (auto-negotiates to 10 or 100Mbps **half** duplex)
- Spanning Tree: enabled on all ports

Quick Installation Guide

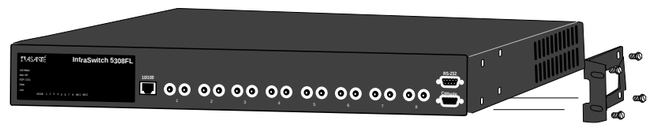
1 Rack Mount or Prepare for Desktop Placement

The IntraSwitch 5308FL can be installed in a standard 19-inch equipment rack. It can also be placed on a stable, horizontal surface with support capabilities of 11 pounds.

Equipment Rack Installation

To install the IntraSwitch 5308FL in an equipment rack:

1. Place the IntraSwitch 5308FL on a flat, stable surface.
2. Locate a rack-mounting bracket (supplied) and place it over the mounting holes on one side of the unit, as shown below.



3. Insert four screws (supplied) into the holes and tighten with a Phillips screwdriver.
4. Repeat the two previous steps for the unit's other side.
5. Place the IntraSwitch 5308FL in an equipment rack.
6. Secure the IntraSwitch 5308FL to the equipment rack by screwing its mounting brackets to the equipment rack.

Desktop Placement

The IntraSwitch 5308FL has four rubber feet on the bottom of the chassis that enable desktop/free-standing placement of the unit.

For desktop/free-standing placement:

1. Place the IntraSwitch 5308FL on a flat, stable, horizontal surface with a minimum area of 17.1" x 14.5" (434.3mm x 368.3mm) and support capabilities of 11 pounds (5 kg.).

2 Install MII Expansion Modules (if any)

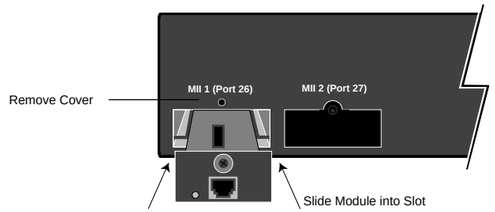
The IntraSwitch 5308FL has two optional Media Independent Interface (MII) expansion slots on its back panel. The MII expansion slots allow for the addition of various media access modules, including: 10/100TX, 100Base-FX,10Base-FL, or BNC.

The MII expansion modules are sold separately and comply with IEEE 802.1 and 802.1u specifications.

To install an MII expansion module:

The MII expansion modules are **not** hot-swappable; you should not install and/or remove a module without turning the IntraSwitch 5308FL's power off.

1. Make sure the IntraSwitch 5308FL's power is **off**.
2. Unscrew the metal cover from the front of an MII expansion slot (located on the IntraSwitch 5308FL's back panel) using a small Phillips screwdriver.
3. Align the bottom of an MII module with the rails on the inside of the expansion slot.
4. Slide the MII expansion module into the slot until it stops, then push the module in until it seats with the connector.



5. Screw the module into place by tightening the thumbscrew on the MII expansion module.

   The MII expansion module is installed.

   For instructions on connecting the MII expansion module to a network device, see step 4 "Connect to the Network."

   For more information on the MII expansion module, refer to the Installation Guide that came with your module.

3 Connect Power Cord and Check Power Connection

To connect the IntraSwitch 5308FL's power cord:

1. Plug one end of the supplied power cord into the connector on the IntraSwitch 5308FL's back panel.
2. Plug the other end into a grounded AC outlet.

To check the IntraSwitch 5308FL's power connection:

1. Turn the IntraSwitch 5308FL's power switch to the "on" position.

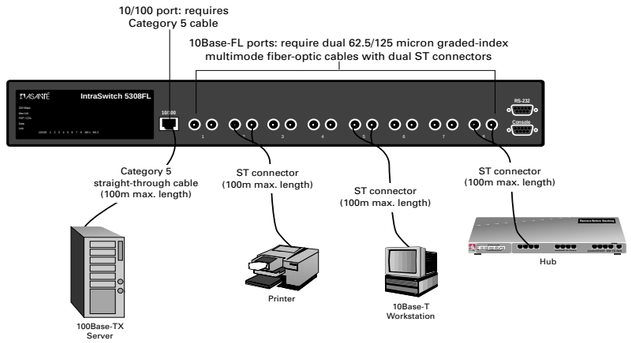
   The front-panel LEDs blink and the power light illuminates and remains on.

2. Turn the IntraSwitch 5308FL's power off.

4 Connect to the Network

To connect the IntraSwitch 5308FL to an Ethernet network:

1. Make sure the IntraSwitch 5308FL's power is **off**.
2. Connect network devices to the IntraSwitch 5308FL, following the cable guidelines below.
3. Power on the IntraSwitch 5308FL.


10/100 port: requires Category 5 cable
10Base-FL ports: require dual 62.5/125 micron graded-index multimode fiber-optic cables with dual ST connectors
IntraSwitch 5308FL
Category 5 straight-through cable (100m max. length)
ST connector (100m max. length)
ST connector (100m max. length)
ST connector (100m max. length)
Hub
Printer
10Base-T Workstation
100Base-TX Server

10Base-FL ports Calbing Procedures

Connecting To	Cable Required
All Network Devices	Dual 62.5/125 micron graded-index multimode fiber-optic cable with a dual **ST** connector.

10/100 Port Cabling Procedures

Connecting To	Cable Required
Network Station	Category 5 UTP (Unshielded Twisted-Pair) **straight-through** cable (100 meters maximum) with RJ-45 connectors.
Repeater/Hub	Category 5, UTP **cross-over** cable (100 meters maximum) with RJ-45 connectors.
Repeater/Hub's UPLINK port	Category 5, UTP **straight-through** cable (100 meters maximum) with RJ-45 connectors.

MII Expansion Ports Cabling Procedures

Expansion Module	Connecting To — Cable Required
100Base-FX Module	**All Network Devices** — dual 62.5/125 micron graded-index multimode fiber-optic cable with an **SC** connector.
10/100TX Module	**Network Station** — Category 5 UTP (Unshielded Twisted-Pair) **straight-through** cable (100 meters max.) with an RJ-45 connector. **Repeater/Hub** — Category 5, UTP **cross-over** cable (100 meters max.) with RJ-45 connectors. **Repeater/Hub's UPLINK port** — Category 5, UTP **straight-through** cable (100 meters max.) with an RJ-45 connector.
10Base-FL Module (ST connector)	**All Network Devices** — dual 62.5/125 micron graded-index multimode fiber-optic cable with a dual **ST** connector.

5 Configure for Management

To use the IntraSwitch 5308FL as a managed switch, it must be configured with an IP address. This can be accomplished in one of two ways:

- Automatically using BootP (default)
- Manually via the Console port

BootP Configuration

The IntraSwitch 5308FL is shipped with BootP/TFTP support. BootP allows the IntraSwitch 5308FL to be automatically configured with an IP address when the IntraSwitch 5308FL is connected to the network and is powered on, if your network contains a BootP server configured with available, valid IP addresses.

1. Make sure your network has a BootP server configured with a valid IP address entry for the IntraSwitch 5308FL.
2. When the IntraSwitch 5308FL is connected to the network and is first powered on, it automatically transmits a BootP request across the network (up to **5** times) until it receives a valid IP address from the BootP server.
3. After an IP address is received, the IntraSwitch 5308FL is ready for management via in-band access.
   If an IP address is not received, the IntraSwitch 5308FL will need to be manually configured with an IP address. See "Console Configuration" below.

Console Configuration

To configure the IntraSwitch 5308FL with an IP address via the unit's Console port:

1. Using an RS-232 cable, connect a stand-alone terminal or a PC with a terminal emulator to the IntraSwitch 5308FL's Console port.

2. Make sure both units are powered on.
   If using a PC with a terminal emulator, make sure it is configured with the following terminal settings:
   - Bits Per Second: 9600
   - Data Bits: 8
   - Parity: None
   - Stop Bits: 1
   - Flow Control: None
3. After connecting the terminal to the IntraSwitch 5308FL , the Local Management Interface Main Menu appears on the screen.
4. Type **c** to open the Configuration Menu.
   The "Enter Password" prompt appears.
5. Type **Asante** at the "Enter Password" prompt.
   The password is case-sensitive; enter it exactly as shown.
6. Press return.
   The Configuration Menu appears.
7. Type **i** to open the Config TCP/IP Parameters Menu.
8. Type **i** to select the option "Set IP Address."
9. Enter the IP address to be assigned to the IntraSwitch 5308FL at the prompt, then press return.

▲ **Important:** Depending on your network configuration, you may also need to set subnet mask and default router information. See "System IP Configuration" in Chapter 5 of the IntraSwitch 5308FL User's Manual for instructions.

10. Type **q** to return to the Configuration Menu.

LED Indicators

LED	Color	Meaning
Power	green	The IntraSwitch 5308FL is receiving electrical power.
100Mbps	green	The 10/100TX port or an installed MII expansion port is operating at 100Mbps speed. ***Note:*** This LED only functions with ports capable of operating at 100Mbps speed (i.e., the 10/100TX port or an installed 10/100TX or 100Base-FX module).
Max Util	amber	The port's receive buffer is full (maximum utilization). ***Note:*** It is normal to see these LEDs illuminate during extremely high periods of network activity.
FDP/Col	amber	The port is operating in full duplex mode.
Data	green	Traffic activity is occurring on a port (transmit [TX] or receive [RX]).
Link	green	A node or other network device is properly connected to the port.

Technical Specifications

Network Management	SNMP-compatible management software, HTTP management software, Telnet software
Connectors	RS-232 (DB-9 female), ST (10Base-FL ports), RJ-45 (10/100TX port), MII (Media Independent Interface)
Spanning Tree Support	IEEE 802.1d
MAC Address Table Size	1024
Dimensions	17.1" x 14.5" x 2.25" (434.3mm x 368.3mm x 57.2mm)
Weight	11 pounds (5 kilograms)
Power Specifications	
Voltage Range:	100 to 250VAC
Frequency Range:	50/60/440Hz
Max. Current Range:	1.6A
Environmental Specifications	
Temperature:	Operating: 0° to 45° C
Relative Humidity:	Operating: 5% to 85% (non-condensing)
Standards Compliance	MIB II, RMON (4 groups: 1,2,3,9), BootP, DHCP, IEEE 802.3, IEEE 802.3u, IEEE 802.1d
Safety:	UL, CSA, VDE, TUV
Emissions:	FCC Class A, EN55022, CE

Asking for Assistance

Telephone ..... (800) 622-7464
Fax ..... (408) 432-6018
Fax-Back ..... (800) 741-8607
Bulletin Board Service (BBS) .... (408) 432-1416
ARA BBS (guest login) ..... (408) 432-1416
AppleLink mail/BBS ..... ASANTE
FTP Archive ..... ftp.asante.com
Internet mail ..... support@asante.com
World Wide Web Site ..... http://www.asante.com

Technical Support Hours: 6:00 A.M. to 5:00 P.M. Pacific Standard Time, Monday-Friday

For troubleshooting tips, refer to Appendix A in the **IntraSwitch 5308FL User's Manual**.

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